Technology & Engineering Education in Utah's Middle/Junior High Schools
Pathway Sequences in Technology and Engineering and Other Related CTE Areas
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Progression of courses from the 7th grade through graduation →

Targeted Grade Level	Project Lead the Way Pre-Engineering		Language Arts	Science	Math (Minimum)	The Utah Pre-Engineering	Engineering Technologies	Communication		Radio/Television Broadcasting	Design and Visual Communications	Commercial and Advertising Art	Industrial Design	Commercial Photography	Interactive Media Web Development & Administration	Digital Media (Multimedia)
10th, 11th, &12th Grades	Capstone	Engineering Design and Development	LA – 12	Chemistry	Pre-Calculus	Pre-Engineering	Mechanical Drafting / Architectural Drafting	Introduction to Screen Printing / Digital File Preparation							Web Development	3D Graphics and Animation / Multimedia II
	Specialty (Options)	Computer Integrated Manufacturing / Civil Engineering and Architecture / Aerospace Engineering	LA – 11	Physics (Physics with Technology)	Intermediate Algebra	Materials and Processes Course	CAD Drafting Technology	Advanced to Graphic Communication							Advanced Business Web Page Design	Multimedia I Design & Development
		Digital Electronics / Principles of Engineering	LA – 10	Biology	Geometry	Engineering Design Course	Drafting and Design	Interm. to Graphic Communication / Intro to Graphic Comminication							Introduction to Information Technology / Computer Technology	Introduction to Information Technology / Computer Technology
8th - 9th Grades	Foundation	Introduction to Engineering Design	LA – 9	Earth Systems	Elementary Algebra	Foundations of Technology	Intro to Communications Technology									

Exploring Technology
This course focuses on the exploration of the following areas: Agriculture and Biotechnology, Construction, Communications and Information Technology, Energy and Power, Manufacturing, Medical Technologies, and Transportation.

7th Grade	CTE Intro
	This course intoduces students to Technology and Engineering, Agriculture, Business, Career Guidance, Economics, Family and Consumer Science, Health Science & Technology, Information Technology, Marketing, Skilled and Technical Sciences, and Work-Based Learning.

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Precision Production Trades	Construction Trades	Ag Systems Technolgy	Mechanics and Repairs	Information Support & Services Technical Support	Network Systems	Health Science & Technology	Targeted Grade Level
Cabinetmaking	Masonry/Tile Setting	Agricultural Mechanics (Advanced)		Linux Fundamentals	Cisco Certified Networking Adm.	Health Science, Advanced	10th, 11th, &12th Grades
	Concrete Placing and Finishing	Agricultural Machinery Technology			Microsoft Certified Pro	Biotechnology	
Furniture Design and Manufacturing	Electrician	Agricultural Business Management		A+ (Computer Maintenance)	Certified Novell Administrator (CNA)		
		Agricultural Systems Technology II					
	Plumbing	Agricultural Systems Technology I			Network +		
Woodworking	Carpentry	Biology: Agricultural Science & Technology		Introduction to Information Technology	Introduction to Information Technology	Medical Terminology	
	Construction Trades Foundation	Agricultural Science & Technology		Computer Technology	Computer Technology	Medical Anatomy & Physiology	

Precision Production Trades sub-columns: Machinist Technician/CNC, Sheet Metal, Welding Technician

Mechanics and Repairs sub-columns: Automotive Technician, Heavy Duty Mechanics/Diesel, Automotive Collision Repair Technician, Small Vehicle Technician, Aircraft Mechanics Technician/A&P, Basic Electronics Technician

Intro to Manufacturing Technology	Intro to Construction Technology	Intro to Transportation and Energy Technology				Health Science, Introduction	8th - 9th Grades

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CTE Intro
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HOSA

Information Technology

CAREER TECHNICAL EDUCATION